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INTRODUCTION & OBJECTIVES: To describe the results of a one stage vaginoplasty in previously circumscribed male-to-female sex reassignment surgery using fold back perineoscrotal flap plus penile inversion flap. (THE OPERATION WILL BE DESCRIBED STEP BY STEP IN A 10 MINUTE VIDEO PRESENTATION)

MATERIAL & METHODS: In a prospective study, 74 previously circumscribed MTF subjects underwent a modification of penile inversion vaginoplasty by adding a fold back perineoscrotal flap to form the whole posterior vaginal wall and about half of the anterior vaginal wall (the proximal part). Patients follow up, outcomes and complications were recorded. (THE OPERATION WILL BE DESCRIBED STEP BY STEP IN A 10 MINUTE VIDEO PRESENTATION)

RESULTS: The mean age of the subjects was 25.8 ± 3.9 years underwent feminizing genitoplasty. The success rate was 93.2% and the complication-free success rate was achieved in 74.3% of subjects in general, the need for repeated surgery (failure rate) was 6.8% (due to vaginal shrinkage in 2 patients, bulging in anterior vaginal wall in one cases and excessive labial skin in 2 cases). By adding the perineoscrotal flap to the penile skin flap, we were able to reach a mean vaginal depth of 13.1 ± 1.7 and a satisfaction level of 85.1%.

CONCLUSIONS: Fold-back perineoscrotal flap plus penile inversion vaginoplasty is a suitable surgical approach for achieving adequate vaginal depth in cases of MTF transsexual vaginoplasty when subjects have short penile skin flap because of circumcision